

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Kousuke SUZUKI

Application No.: U. S. National Stage of  
PCT/JP99/04989

Filed: March 16, 2001

Docket No.: 108946

For: ADJUSTMENT METHOD FOR PROJECTION OPTICAL SYSTEM

PRELIMINARY AMENDMENTDirector of the U.S. Patent and Trademark Office  
Washington, D. C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claim 9.

(13-32 NE)

Please replace claims 1-8 and 10-32 follows:

1. (Amended) An adjustment method for a projection optical system which projects an image of a pattern on a first surface onto a second surface, comprising:

changing at least one condition of illumination condition for illuminating the pattern on the first surface and structural condition of the pattern in various ways;

changing a wavelength of illumination light for illuminating the pattern on the first surface for each condition, and detecting a change amount of image formation characteristics of an image projected onto the second surface via the projection optical system; and

determining a predetermined relationship between a change amount of installation

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